

PCT REQUEST

Original (for SUBMISSION)

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| 0 | For receiving Office use only | |
| 0-1 | International Application No. | |
| 0-2 | International Filing Date | |
| 0-3 | Name of receiving Office and "PCT International Application" | |
| | | |
| 0-4 | Form PCT/RO/101 PCT Request | |
| 0-4-1 | Prepared Using | PCT-SAFE [EASY mode] Version 3.50 (Build 0002.163) |
| 0-5 | Petition The undersigned requests that the present international application be processed according to the Patent Cooperation Treaty | |
| 0-6 | Receiving Office (specified by the applicant) | United States Patent and Trademark Office (USPTO) (RO/US) |
| 0-7 | Applicant's or agent's file reference | 2833-113.PCT |
| I | Title of Invention | SIDE CHAIN DEUTERATED AMINO ACIDS AND METHODS OF USE |
| | | |
| II | Applicant | |
| II-1 | This person is | applicant only |
| II-2 | Applicant for | all designated States except US |
| II-4 | Name | PROSPECT PHARMA |
| II-5 | Address | 9108-A Guilford Road Columbia, Maryland 21046 United States of America |
| II-6 | State of nationality | US |
| II-7 | State of residence | US |
| II-8 | Telephone No. | 410.740.7395 |
| II-9 | Facsimile No. | 410.740.1328 |
| | | |
| III-1 | Applicant and/or inventor | |
| III-1-1 | This person is | applicant and inventor |
| III-1-2 | Applicant for | US only |
| III-1-4 | Name (LAST, First) | BROWN, Jonathan, Miles |
| III-1-5 | Address | 13912 North Gate Drive Silver Spring, Maryland 20906 United States of America |
| III-1-6 | State of nationality | GB |
| III-1-7 | State of residence | US |

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| III-2 | Applicant and/or inventor | |
| III-2-1 | This person is | applicant and inventor |
| III-2-2 | Applicant for | US only |
| III-2-4 | Name (LAST, First) | HOMANS, Steven, W. |
| III-2-5 | Address | 3 Hilton Mews Bramhope Leeds Yorkshire LS169LF United Kingdom |
| III-2-6 | State of nationality | GB |
| III-2-7 | State of residence | GB |
| III-3 | Applicant and/or inventor | |
| III-3-1 | This person is | applicant and inventor |
| III-3-2 | Applicant for | US only |
| III-3-4 | Name (LAST, First) | CHAYKOVSKY, Michael |
| III-3-5 | Address | 9217 Quick Fox Columbia, Maryland 21045 United States of America |
| III-3-6 | State of nationality | US |
| III-3-7 | State of residence | US |
| III-4 | Applicant and/or inventor | |
| III-4-1 | This person is | applicant and inventor |
| III-4-2 | Applicant for | US only |
| III-4-4 | Name (LAST, First) | MURRAY, Jenny, Hong |
| III-4-5 | Address | 9717 Dixie Ridge Terrace Gaithersburg, Maryland 20882 United States of America |
| III-4-6 | State of nationality | US |
| III-4-7 | State of residence | US |

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| IV-1 | Agent or common representative; or address for correspondence The person identified below is hereby/ has been appointed to act on behalf of the applicant(s) before the competent International Authorities as: | agent |
| IV-1-1 | Name (LAST, First) | FIGG, E., Anthony |
| IV-1-2 | Address | 1425 K Street, N.W. Suite 800 Washington, District of Columbia 20005 United States of America |
| IV-1-3 | Telephone No. | 202.783.6040 |
| IV-1-4 | Facsimile No. | 202.783.6031 |
| IV-1-6 | Agent's registration No. | 27,195 |
| IV-2 | Additional agent(s) | additional agent(s) with same address as first named agent |
| IV-2-1 | Name(s) | ROTHWELL,G., Franklin(18,125); ERNST,Barbara, G.(30,377); MANBECK,JR., Harry, F.(17,348); REPPER,George, R.(31,414); DELUCA,Vincent(32,408); HYNDS,Joseph, A.(34,627); IHNEN,Jeffrey, L.(28,957); KARTA,Glenn, E.(30,649); WYDEVEN,Richard(39,881); ZOLTICK,Martin, M.(35,745); CASSIDY,Martha(44,066); MCKIERNAN,Thomas, E.(37,889); GIFFORD,C., Nichole(44,122); BHATT,Minaksi(35,447); SULLIVAN,Michael, G.(35,377); DAVIS,Monica, S.(44,492); ROSENBLoom,Brian, S.(41,276); SKACEL,Patrick(47,948); PATE,Tara, J.(52,099); MURRAY,Robert, B.(22,980); KITTS,Monica, C.(36,105); TOLLEFSON,Brian, A.(46,338); DEWEERD,William, F.(51,613); PARKER,Stephen B.(36,631); WALKER,Barbara, W.(35,400); GIOVANNETTI,Steven(51,739); CALLANDER,Leigh, Z.(55,035) |
| V | DESIGNATIONS | |
| V-1 | The filing of this request constitutes under Rule 4.9(a), the designation of all Contracting States bound by the PCT on the international filing date, for the grant of every kind of protection available and, where applicable, for the grant of both regional and national patents. | |

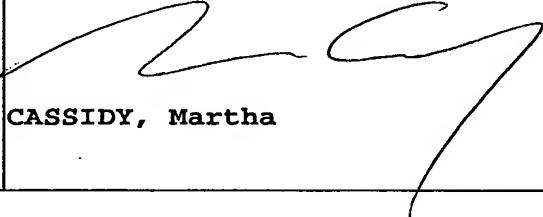
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| VI-1 | Priority claim of earlier national application | | |
| VI-1-1 | Filing date | 07 October 2003 (07.10.2003) | |
| VI-1-2 | Number | 60/508,886 | |
| VI-1-3 | Country | US | |
| VI-2 | Priority document request The receiving Office is requested to prepare and transmit to the International Bureau a certified copy of the earlier application(s) identified above as item(s): | VI-1 | |
| VII-1 | International Searching Authority Chosen | United States Patent and Trademark Office (USPTO) (ISA/US) | |
| VIII | Declarations | Number of declarations | |
| VIII-1 | Declaration as to the identity of the inventor | - | |
| VIII-2 | Declaration as to the applicant's entitlement, as at the international filing date, to apply for and be granted a patent | - | |
| VIII-3 | Declaration as to the applicant's entitlement, as at the international filing date, to claim the priority of the earlier application | - | |
| VIII-4 | Declaration of inventorship (only for the purposes of the designation of the United States of America) | - | |
| VIII-5 | Declaration as to non-prejudicial disclosures or exceptions to lack of novelty | - | |
| IX | Check list | number of sheets | electronic file(s) attached |
| IX-1 | Request (including declaration sheets) | 5 | ✓ |
| IX-2 | Description | 26 | - |
| IX-3 | Claims | 5 | - |
| IX-4 | Abstract | 1 | ✓ |
| IX-5 | Drawings | 2 | - |
| IX-7 | TOTAL | 39 | |

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| IX-8 | Accompanying Items | paper document(s) attached | electronic file(s) attached |
| | Fee calculation sheet | ✓ | - |
| IX-11 | Copy of general power of attorney | reference no. 2833-000. POA BROWN | - |
| IX-11 | Copy of general power of attorney | reference no. 2833-000. POA HOMANS | - |
| IX-11 | Copy of general power of attorney | reference no. 2833-000. POA CHAYKOVSKY | - |
| IX-11 | Copy of general power of attorney | reference no. 2833-000. POA MURRAY | - |
| IX-17 | PCT-SAFE physical media | - | ✓ |
| IX-19 | Figure of the drawings which should accompany the abstract | 2 | |
| IX-20 | Language of filing of the international application | English | |
| X-1 | Signature of applicant, agent or common representative |  | |
| X-1-1 | Name (LAST, First) | CASSIDY, Martha | |
| X-1-2 | Name of signatory | | |
| X-1-3 | Capacity | | |

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| 10-1 | Date of actual receipt of the purported international application | |
| 10-2 | Drawings: | |
| 10-2-1 | Received | |
| 10-2-2 | Not received | |
| 10-3 | Corrected date of actual receipt due to later but timely received papers or drawings completing the purported international application | |
| 10-4 | Date of timely receipt of the required corrections under PCT Article 11(2) | |
| 10-5 | International Searching Authority | ISA/US |
| 10-6 | Transmittal of search copy delayed until search fee is paid | |

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| 11-1 | Date of receipt of the record copy by the International Bureau | |
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